

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

SDMS Document



67677

DATE: August 4, 1988

SUBJECT: SCP Site second operable unit, Bioassessment Group Meeting held June 30, 1988

FROM: Roland Hemmett, Chief *R Hemmett*
Ambient Monitoring Section

TO: Janet Feldstein, Project Manager
SCP Site

After the meeting held on June 30, 1988 the Bioassessment Group has the following recommendations concerning the SCP Site.

Ecological Concerns:

The ecological concerns at this site relate to the off site migration of contaminants and the potential impact of these contaminants on the surrounding wetlands. Although the area around this site may be impacted by contamination from other sources, this site poses an additional and significant threat to the surrounding wetland.

Recommendations:

It is recommended that as a minimum the following areas be addressed in order to evaluate the potential for ecological impacts at this site.

- 1) The current assessment of the biota at the site is inadequate. An inventory of biota within Peach Creek and the surrounding wetland should be performed, with field verification by qualified personnel. The assessment of the wetland should also include an evaluation of the habitats present and the potential use by migratory species.
- 2) Additional sampling is needed within Peach Creek to define the area of contamination. A total of 12 sites are suggested along the length of Peach Island Creek: 3 locations adjacent to the site; 2 locations between the site and the tidal barrier; 3 locations below the tidal barrier but not extending beyond 1/2 the distance between the tidal barrier and the confluence of Peach Island Creek and Berry's Creek; and 4 locations above the site. All sampling locations should be located in depositional areas. Sediment samples should be collected at all sites, and analysis should include total organic carbon (TOC) and grain size distribution. Surface and bottom water samples should be collected at two locations, the extreme upstream and extreme downstream locations. It is suggested that duplicate samples for QA/QC should be taken at one of the sampling locations adjacent to the site. The chemical analysis of samples should include PCB's, pesticides and Base/Neutral extractables.

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3) Additional work may be necessary at this site, however, the incomplete nature of the data makes more definitive statements impossible at this time.

4) The Bioassessment Group requests that additional work plans and results be review by the bioassessment Group for potential environmental impacts.

cc: Mark Sprenger

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